Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/09/2018 11:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123315	-2	1.86	123164	1.80
Blue	F	SSC	125000	122255	-3	3.61	122494	3.23
Blue	E	FITC	23615	22453	-5	2.80	1001	10.66
Blue	D	PE	26739	26427	-2	2.34	949	10.20
Blue	B	PerCP-Cy5-5	48339	46714	-4	3.71	1340	17.56
Blue	A	PE-Cy7	45021	43825	-3	5.57	678	38.16
Red	C	APC	53064	51535	-3	2.83	2945	9.81
Red	A	APC-Cy7	57175	55268	-4	2.84	1156	11.75
Violet	B	V450	14728	13920	-6	4.27	668	9.52
Violet	A	V500	58621	56353	-4	4.11	2490	6.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19435	2.67	611	-3	N/A	N/A	Pass
Blue	F	SSC	60434	1.82	559	13	N/A	N/A	Pass
Blue	E	FITC	113	40.12	548	0	0.0195	168	Pass
Blue	D	PE	208	30.41	541	5	0.1525	264	Pass
Blue	B	PerCP-Cy5-5	212	46.62	639	4	0.0094	105	Pass
Blue	A	PE-Cy7	72	126.30	697	4	0.0101	9	Pass
Red	C	APC	338	28.94	601	4	0.0188	59	Pass
Red	A	APC-Cy7	125	43.93	583	3	0.0049	1863	Pass
Violet	B	V450	80	42.87	463	-7	0.0389	1564	Pass
Violet	A	V500	183	22.08	490	-7	0.0135	126	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.02	-31.51	0.98
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	16.08	14.40 - 21.60	N/A	N/A	31.22	31.74	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10703

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments